

CLAIMS

1. A method for managing open grid service architecture (OGSA) services comprising:
 - establishing an open grid service infrastructure (OGSI) instance including an OGSA container;
 - establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;
 - deploying said OGSA service to said OGSI instance;
 - comparing OGSA container attribute to a characteristic of said OGSA container; and,
 - supporting said OGSA service on said OGSA container if said attribute matches said characteristic.
2. The method of claim 1 further comprising:
 - reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.
3. The method of claim 1 further comprising:
 - generating an error message if said attribute does not match said characteristic.
4. The method of claim 1 further comprising:
 - providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.
5. The method of claim 4 wherein:
 - said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

6. The method of claim 1 further comprising:
 - providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.
7. A system for managing open grid service architecture (OGSA) services comprising:
 - an administrator system establishing an open grid service infrastructure (OGSI) instance including an OGSA container;
 - a grid network coupled to said administrator system;
 - a grid resource coupled to said grid network;
 - said administrator system establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;
 - said administrator system deploying said OGSA service to said OGSI instance;
 - said grid resource comparing said OGSA container attribute to a characteristic of said OGSA container; and,
 - said grid resource supporting said OGSA service on said OGSA container if said attribute matches said characteristic.
8. The system of claim 7 further comprising:
 - said grid resource reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.
9. The system of claim 7 further comprising:
 - said grid resource generating an error message if said attribute does not match said characteristic.
10. The system of claim 7 further comprising:
 - said administrator system providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

11. The system of claim 10 wherein:
said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.
12. The system of claim 7 further comprising:
said administrator system providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.
13. A medium encoded with a machine-readable computer program code for managing open grid service architecture (OGSA) services, said medium including instructions for implementing the method comprising:
establishing an open grid service infrastructure (OGSI) instance including an OGSA container;
establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;
deploying said OGSA service to said OGSI instance;
comparing OGSA container attribute to a characteristic of said OGSA container; and,
supporting said OGSA service on said OGSA container if said attribute matches said characteristic.
14. The method of claim 13 further comprising instructions for implementing:
reconfiguring said OGSA container if said attribute does not match said characteristic to support said OGSA service.
15. The method of claim 13 further comprising instructions for implementing:
generating an error message if said attribute does not match said characteristic.
16. The method of claim 13 further comprising instructions for implementing:
providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

17. The method of claim 16 wherein:

said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

18. The method of claim 13 further comprising instructions for implementing:

providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.